

# PUBLICATIONS OF INTEREST

Compiled by Beryl M. Benjers, Ph.D.

*Departments Editor*

This list of references offers *Journal* readers significant information on the availability of recent rehabilitation literature in various scientific, engineering, and clinical fields. The *Journal* provides this service in an effort to fill the need for a comprehensive and interdisciplinary indexing source for rehabilitation literature.

All entries are numbered so that multidisciplinary publications may be cross-referenced. They are indicated as *See also* at the end of categories where applicable. A listing of the periodicals reported on follows the references. In addition to the periodicals covered regularly, other publications will be included when determined to be of special interest to the rehabilitation community. To obtain reprints of a particular article or report, direct your request to the appropriate contact source listed in each citation.

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107	BIOENGINEERING and BIOMECHANICS	CJ, et al., <i>SOMA Eng Hum Body</i> 3(4):49-56, 1990.
110	FUNCTIONAL ELECTRICAL STIMULATION	<i>Contact:</i> Charles J. Sutherland, Division of Orthopedic Surgery, Dept. of Surgery, Washington University School of Medicine, St. Louis, MO 63110
111	GENERAL	
112	GERIATRICS	
113	HEAD TRAUMA and STROKE	<b>2. Axisymmetric Mechanical Analysis of Ceramic Heads for Total Hip Replacement.</b> Andrisano AO, Dragoni E, Strozzi A, <i>Proc Instn Mech Engrs—Part H: J Eng Med</i> 204(H3):157-167, 1990.
114	MUSCLES, LIGAMENTS, and TENDONS	<i>Contact:</i> A.O. Andrisano, Faculty of Engineering, University of Modena, Italy
114	OCCUPATIONAL and PHYSICAL THERAPY	
116	ORTHOPEDIC IMPLANTS	
118	ORTHOTICS	<b>3. Biomechanics of the Patellofemoral Joint and Its Clinical Relevance.</b> Hehne H-J, <i>Clin Orthop</i> 258:73-85, 1990.
119	PHYSICAL FITNESS	<i>Contact:</i> Prof. H. Joachim Hehne, MD, Chirurgische Klinik, Hugstetter Str. 55, D-7800 Freiburg, Germany
120	PROSTHETICS	
121	PSYCHOLOGICAL and PSYCHOSOCIAL	<b>4. The Bone-Titanium Interface In Vitro.</b> Davies JE, Lowenberg B, Shiga A, <i>J Biomed Mater Res</i> 24(10):1289-1306, 1990.
122	ROBOTICS and INDEPENDENT LIVING	<i>Contact:</i> J.E. Davies, Centre for Biomaterials and MRC Dental Implant Group, University of Toronto, 124, Edward St., Toronto, Ontario M5G 1G6, Canada
122	SENSORY AIDS—HEARING	
124	SENSORY AIDS—SPEECH	
124	SENSORY AIDS—VISION	
125	SPINAL CORD INJURY	<b>5. The CAMARC Project: An Attempt to Bridge the Gap.</b> Leo T, Woltring HJ, <i>J Rehabil Sci</i> 3(4):110-112, 1990.
127	SURGERY	<i>Contact:</i> Tommaso Leo, Dipartimento di Elettronica ed Automatica, Universita degli Studi di Ancona, Italy
127	VOCATIONAL	
128	WHEELCHAIRS and POWERED VEHICLES	
128	WOUNDS and ULCERS	
<b>BIOENGINEERING and BIOMECHANICS</b>		
<b>1. Application of Computer-Assisted Engineering (CAE) Software to Orthopedic Surgical Planning.</b> Sutherland		

**6. CT Scanners.** *Med Electron* 21(6):108-114, 1990.  
*Contact:* Medical Electronics, 2994 W. Liberty Ave., Pittsburgh, PA 15216

**7. Clinical Gait Analysis: A Review of Research at the Interdepartmental Research Group of Kinesiology in Leiden.** Daanen HAM, *J Rehabil Sci* 3(4):98-101, 1990.

*Contact:* Dr. H.A.M. Daanen, Interdepartmental Research Group of Kinesiology, Leiden, The Netherlands

**8. A Compartment Model for Fluorometric Indication of Tissue Perfusion.** Ostrander LE, *et al.*, *IEEE Trans Biomed Eng* 37(10):1017-1023, 1990.

*Contact:* Lee E. Ostrander, Dept. of Biomedical Engineering, Rensselaer Polytechnic Institute, Troy, NY 12180

**9. Computer Design and Fabrication of Custom-Contoured Seating.** Brienza DM, Chung K-C, Brubaker CE, *Med Design Mater* 1(1):32-41, 1990.

*Contact:* C.E. Brubaker, PhD, University of Virginia, Rehabilitation Engineering Center, PO Box 3368, University Station, Charlottesville, VA 22903

**10. Design and Testing of External Fixator Bone Screws.** Evans M, *et al.*, *J Biomed Eng* 12(6):457-462, 1990.

*Contact:* Dr. J.L. Cunningham, Centre for Biomedical Engineering, School of Engineering and Applied Science, University of Durham, Science Laboratories, South Rd., Durham DH1 3LE, UK

**11. The Effect of Centrifugation on the Mechanical Properties of Cement: An In Vitro Total Hip-Arthroplasty Model.** Chin H-C, Stauffer RN, Chao EYS, *J Bone Joint Surg* 72-A(3):363-368, 1990.

*Contact:* Hsueh-Chih Chin, MD, Orthopedic Biomechanics Laboratory, Mayo Clinic, 200 First St. SW, Rochester, MN 55905

**12. Factors in Clinical Application of Gait Analysis.** Kleissen RFM, *J Rehabil Sci* 3(4):106-109, 1990.

*Contact:* R.F.M. Kleissen, Rehabilitation Centre Het Roessingh, Roessinghsbleekweg 33, 7522 AH Enschede, The Netherlands

**13. First-Order Model for the Analysis of Stump Stresses for Below-Knee Amputees.** Winarski DJ, Pearson JR, *J Biomech Eng* 112(4):475-478, 1990.

*Contact:* D.J. Winarski, IBM Corporation, General Products Division, Tucson, AZ 85744

**14. From the Analysis of Movements to the Analysis of Skills: Bridging the Gap Between Laboratory and Clinic.** Geurts ACH, *et al.*, *J Rehabil Sci* 3(4):102-105, 1990.

*Contact:* Dr. A.C.H. Geurts, Dept. of Research and Development, St. Maartenskliniek, PO Box 9011, 6500 GM Nijmegen, The Netherlands

**15. Hand-Held Compared with Isokinetic Dynamometry for Measurement of Static Knee Extension Torque (Parallel Reliability of Dynamometers).** Bohannon RW, *Clin Phys Physiol Meas* 11(3):217-222, 1990.

*Contact:* Richard W. Bohannon, School of Allied Health, U-101, University of Connecticut, Storrs, CT 06269

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*Contact:* John Molinari, c/o Medical Electronics, 2994 W. Liberty Ave., Pittsburgh, PA 15216

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*Contact:* Nicholas J. Giori, VA Medical Center, Rehabilitation R&D Center (153), 3801 Miranda Ave., Palo Alto, CA 94304

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*Contact:* Narayan Yoganandan, PhD, Dept. of Neurosurgery, Medical College of Wisconsin, 8700 W. Wisconsin Ave., Milwaukee, WI 53226

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*Contact:* Susan A. Riedel, SM, Dept. of Electrical and Computer Engineering, Marquette University, Milwaukee, WI 53233

**20. A Kinematic Study of the Oropharyngeal Swallowing of a Liquid.** Ku DN, *et al.*, *Ann Biomed Eng* 18(6):655-669, 1990.

*Contact:* David N. Ku, PhD, MD, Dept. of Mechanical Engineering, Massachusetts Institute of Technology, 18 Vassar St., Room 20A-123, Cambridge, MA 02139

**21. Kinematic-Based Technique for Event Time Determination During Gait.** Stanhope SJ, *et al.*, *Med Biol Eng Comput* 28(4):355-360, 1990.

*Contact:* Steven J. Stanhope, Bldg. 10, Room 6S235, The Warren G. Magnuson Clinical Center, National Institutes of Health, Bethesda, MD 20892

**22. Laser Doppler Flowmetry (Nine articles).** *J Med Eng Technol* 14(5):177-209, 1990.

*Contact:* (See journal for individual articles.) *Journal of Medical Engineering & Technology*, Taylor & Francis Inc., 1900 Frost Rd., Suite 101, Bristol, PA 19007

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*Contact:* P. Ake Oberg, PhD, Dept. of Biomedical Engineering, University of Linkoping, S-581 85 Linkoping, Sweden

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*Contact:* Gerald F. Harris, PhD, Dept. of Biomedical Engineering, Marquette University, 1515 W. Wisconsin Ave., Milwaukee, WI 53233

**25. Measurement of Digital Blood Flow Using the Laser Doppler, Impedance and Strain-Gauge Methods.** Yamamoto Y, Oberg PA, *Med Biol Eng Comput* 28(2):113-118, 1990.

*Contact:* P.A. Oberg, Prof., Dept. of Biomedical Engineering, University of Linkoping, S-58185 Linkoping, Sweden

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*Contact:* H.S. Ranu, PhD, Dept. of Medicine, St. Luke's and Roosevelt Hospital Medical Center, Columbia University College of Physicians and Surgeons, New York, NY 10027

**27. Metallosis Associated with a Stable Titanium-Alloy Femoral Component in Total Hip Replacement.** Black J, *et al.*, *J Bone Joint Surg* 72-A(1):126-130, 1990.

*Contact:* J. Black, PhD, Dept. of Bioengineering, 301 Rhodes Engineering Research Center, Clemson University, Clemson, SC 29634-0905

**28. Microprocessor-Based Instrumentation for Ambulatory Behavior Monitoring.** Ganapathy G, Kondraske GV, *J Clin Eng* 15(6):459-466, 1990.

*Contact:* George V. Kondraske, PhD, Human Performance

Institute, University of Texas at Arlington, Box 19180, Arlington, TX 76019

**29. A Modeling and Simulation System for the Human Hand.** Buford WL Jr, Myers LM, Hollister AM, *J Clin Eng* 15(6):445-451, 1990.

*Contact:* William L. Buford, Jr., PhD, PE, CCE, Chief, Paul W. Brand Biomechanics Laboratory, Gillis W. Long Hansen's Disease Center, Carville, LA 70721

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*Contact:* N.J. Dudley, Dept. of Medical Physics and Computing, County Hospital, Sewell Rd., Lincoln LN2 5QY, UK

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*Contact:* George V. Kondraske, PhD, Human Performance Institute, University of Texas at Arlington, Box 19180, Arlington, TX 76019

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*Contact:* S. Carlier, Data Processing Dept., Faculty of Medicine, Free University of Brussels, 2 rue Evers, B-1000 Brussels, Belgium

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*Contact:* N. Dahnoun, Biomedical Laboratory, Dept. of Engineering, University of Leicester, Leicester LE1 7RH, UK

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*Contact:* Vijay K. Goel, Dept. of Biomedical Engineering, University of Iowa, Iowa City, IA 52242

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**Contact:** Charles F. Babbs, MD, PhD, Hillenbrand Biomedical Engineering Center, Potter Bldg., Purdue University, West Lafayette, IN 47907

**36. Quantitative Measures for Fracture Healing: An In Vitro Biomechanical Study.** Foux A, Black RC, Uhthoff HK, *J Biomech Eng* 112(4):401-406, 1990.

**Contact:** A. Foux, Technion-Israel Institute of Technology, Haifa, Israel

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**Contact:** P.R. Hoskins, Medical Physics and Medical Engineering Dept., Royal Infirmary, Edinburgh, Scotland

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**Contact:** William K. Durfee, Massachusetts Institute of Technology, Room 3-455, 77 Massachusetts Ave., Cambridge, MA 02139

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**Contact:** CRC Press, Inc., 2000 Corporate Blvd. NW, Boca Raton, FL 33431

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**Contact:** B.M. Wroblewski, FRCS, Centre for Hip Surgery, Wrightington Hospital, Wigan, Lancashire, UK

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**Contact:** V.R. Singh, National Physical Laboratory, New Delhi-110 012, India

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**Contact:** J. Dandurand, Laboratoire de Physique des Solides, URA/CNRS no. 74 Universite Paul Sabatier, 118 Route de Narbonne, 31062 Toulouse Cedex, France

**43. Trends of Mechanical Consequences and Modeling of a Fibrous Membrane Around Femoral Hip Prostheses.** Weinans H, Huiskes R, Grootenhuis HJ, *J Biomech* 23(10):991-1000, 1990.

**Contact:** H. Weinans, Biomechanics Section, Institute of Orthopaedics, University of Nijmegen, PO Box 9101, 6500 HB Nijmegen, The Netherlands

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## FUNCTIONAL ELECTRICAL STIMULATION

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**Contact:** Prof. A.J. Mulder, Roessingh Rehabilitation Centre, Dept. of Research and Clinical Engineering, PO Box 310, 7500 AH Enschede, The Netherlands

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**Contact:** Douglas B. McCreery, Huntington Medical Research Institutes, Pasadena, CA 91105

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**Contact:** Alice Y.M. Jones, MAPA, c/o *Physiotherapy*, 14 Bedford Row, London WC1R 4ED, UK

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**Contact:** R.J. Jaeger, PhD, Section of Orthopaedics and Rehabilitation Medicine, Pritzker School of Medicine, The University of Chicago, Chicago, IL 60637

**48. Evaluation of Shoulder Movement as a Command Control Source.** Johnson MW, Peckham PH, *IEEE Trans Biomed Eng* 37(9):876-885, 1990.

**Contact:** Mark W. Johnson, Dept. of Biomedical Engineering, Case Western Reserve University, Cleveland, OH 44106

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Contact: E.B. Marsolais, MD, PhD, VA Medical Center, Gait Laboratory (151W), 10701 East Blvd., Cleveland, OH 44106

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Contact: Renata Karba, Dipl. Ing., Faculty of Electrical and Computer Engineering, Trzaska 25, 61000 Ljubljana, Yugoslavia

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Contact: H. Madersbacher, Dept. of Urology, University Hospital Innsbruck, Consultant Urologist, Rehabilitation Center, Bad Haring, Tirol, Austria

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Contact: Brenda Brouwer, PhD, Playfair Neuroscience Unit, University of Toronto, Toronto Western Hospital, 399 Bathurst St., McLaughlin Pavilion 12-415, Toronto, Ontario M5T 2S8, Canada

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Contact: T.S. Kanaka, PhD, MCh, 'Gina,' 2 Santhana Krishna St., Chromepet, Madras-600, India

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Contact: Gary T. Yamaguchi, Dept. of Chemical, Bio, and Materials Engineering, Arizona State University, Tempe, AZ 85287

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Contact: John O. Barr, LPT, PhD, University of Iowa, College of Medicine, Iowa City, IA 52242

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Contact: Kenneth J. Ottenbacher, PhD, State University of New York at Buffalo, 435 Stockton Kimball Tower, Main Street Campus, Buffalo, NY 14214

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Contact: Lucia S. Sommers, DrPH, Pacific Presbyterian Medical Center, PO Box 7999, San Francisco, CA 94120

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Contact: Frank G. Bowe, School of Education, Hofstra University, 111 Mason Hall, Hempstead, NY 11550

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Contact: Ron L. Evans, ACSW, VA Medical Center (122) 1660 South Columbian Way, Seattle, WA 98108

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Contact: William F. Forbes, PhD, Program in Gerontology, University of Waterloo, Waterloo, Ontario N2L 3G1, Canada

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Contact: Joseph McElroy, PharmD, VA Medical Center, 3200 Vine St., Cincinnati, OH 45220

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Contact: Margaret G. Stineman, MD, Ralston Penn Center, 3615 Chestnut St., Philadelphia, PA 19104-6094

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Contact: P.G. Mattison, Rehabilitation Studies Unit, Princess Margaret Rose Hospital, Fairmilehead, Edinburgh EH10 7ED, UK

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Contact: Thomas W. Findley, MD, PhD, Kessler Institute for Rehabilitation, Pleasant Valley Way, West Orange, NJ 07052

**69. Research in Physical Medicine and Rehabilitation: XI. Research Training: Setting the Stage for Lifelong Learning.** Findley TW, DeLisa JA, *Am J Phys Med Rehabil* 69(6):323-329, 1990.

Contact: Thomas W. Findley, MD, PhD, Kessler Institute for Rehabilitation, Pleasant Valley Way, West Orange, NJ 07052

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Contact: William J. Lynch, PhD, Brain Injury Rehabilitation Unit, VA Medical Center, Palo Alto, CA 94304

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Contact: Mary B. Huer, Assoc. Prof., Dept. of Speech Communication, California State University-Fullerton, Fullerton, CA 92634

## GERIATRICS

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Contact: Gale M. Gehlsen, PhD, Biomechanics Laboratory, Ball State University, Muncie, IN 47306

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Contact: A.M. Barlow, Northern College of Chiropody, Frederick Rd., Salford, UK

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Contact: Tsuguo Yasuma, MD, Dept. of Orthopaedic Surgery, Kouto Hospital, Oshima 6-8-5, Kouto-ku, Tokyo, Japan

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Contact: Lisette N. Kautzmann, EdD, OTR/L, Dept. of Occupational Therapy, Eastern Kentucky University, Richmond, KY 40475

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Contact: Lisa P. Easley, c/o *Harvard Health Letter*, 164 Longwood Ave., 4th Fl., Boston, MA 02115

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Contact: Dr. Thomas Pillar, Flieman Geriatric Rehabilitation Hospital, Ramot Remez, PO Box 2263, Haifa 31021, Israel

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Contact: Renee A. Middleton, Dept. of Rehabilitation and Special Education, Auburn University, 1234 Haley Center, Auburn, AL 36849

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Contact: O. Kwasny, MD, I University Klinik fur Unfallchirurgie, Alserstrasse 4, A-1097 Vienna, Austria

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Contact: Michele J. Rusin, PhD, Dept. of Rehabilitation Medicine, Emory University School of Medicine, Atlanta, GA 30322

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Contact: Dr. D.A. Stewart, Victoria Geriatric Unit, Mansionhouse Rd., Langside, Glasgow, UK

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## HEAD TRAUMA and STROKE

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Contact: (See journal for individual articles.) *Physical Medicine and Rehabilitation*, Hanley & Belfus, Inc., 210 South 13th St., Philadelphia, PA 19107

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Contact: Candia P. Kaplan, MA, Dept. of Psychology, Ohio State University, 1885 Neil Ave., Columbus, OH 43210

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Contact: Richard W. Bohannon, School of Allied Health, U-101, University of Connecticut, Storrs, CT 06269

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Contact: Dr. B. Pentland, Consultant Neurologist, Astley Ainslie Hospital, Grange Loan, Edinburgh EH9 2HL, Scotland, UK

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Contact: David Goltzman, MD, Calcium Research Laboratory, Royal Victoria Hospital, 687 Pine Ave. W., Montreal H3A 1A1, Canada

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Contact: Catherine Series, DipCOT, SROT, Community Occupational Therapist, Worcester Health District, Isaac Maddox House, Shrub Hill Rd., Worcester, UK

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Contact: (See journal for individual articles.) *The Journal of Head Trauma Rehabilitation*, Aspen Publishers, Inc., 7201 McKinney Circle, Frederick, MD 21701

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Contact: James R. Carey, PhD, PT, Mayo Clinic, 200 First St. SW, Rochester, MN 55905

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**Contact:** Paul J. Feustel, PhD, Dept. of Surgery, Albany Medical College, Albany, NY 12208

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